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Respectfully submitted,



Helen C. Lockhart, Reg. No. 39,248
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, MA 02210-2211
(617) 720-3500

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Marked-up Claims

71. (Amended) A system for analyzing an extended object [according to Claim 1] labeled with at least two unit-specific markers comprising:
- a central processing unit;
 - an input device for inputting a [the] plurality of object-dependent impulses of an [the] extended object;
 - an output device;
 - a memory;
 - at least one bus connecting the central processing unit, the memory, the input device, and the output device;
 - the memory storing a calculating module configured to calculate an [the] autocorrelation function for said plurality of object-dependent impulses of said extended object input using said input device.
90. (Amended) A computer program product for use in conjunction with a computer, the computer program product comprising a computer readable storage medium and a computer program mechanism embedded therein, the computer program mechanism comprising a calculating module configured to calculate an [the] autocorrelation function of a [the] plurality of object-dependent impulses [according to the method of Claim 1].

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